STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

900 North Skyline, Suite B • Idaho Falls, Idaho 83402-1718 • (208) 528-2650

Dirk Kempthorne, Governor
C. Stephen Allred, Director

October 17, 2001

CERTIFIED MAIL # 70000520002348766578

Mr. James Walters, Plant Manager
Walters Ready Mix, Inc.
P.O. Box 390
Rexburg, ID 83440

RE: T2-010546, Concrete Batch Plant, Rexburg
Tier II Operating Permit Modification

Dear Mr. Walters:

The Idaho Department of Environmental Quality (DEQ) is issuing a Tier II Operating Permit Modification No. 065-00004 for Walters Ready Mix, Inc., in accordance with IDAPA 58.01.01.400 (*Rules for the Control of Air Pollution in Idaho*) (*Rules*).
The enclosed operating permit is based on the information contained in your permit application. Modification to and/or renewal of this operating permit shall be requested in a timely manner in accordance with the *Rules*.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, *Rules Governing Contested Case Proceedings and Declaratory Rulings*, by filing a petition with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 38706-1255, within 35 days of the date of this decision. However, DEQ encourages you to contact the Air Quality Permit Program to address any concerns you may have with the enclosed permit prior to filing a petition for a contested case.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Mr. Jorge Garcia, of the Idaho Falls Regional Office, at (208) 528-2650.

Sincerely,

James Johnston
Regional Administrator
Idaho Falls Regional Office

Enclosure

cc: State Office, Marilyn Seymore
Idaho Falls Regional Office
L. Kral, EPA - Region 10

Air Pollution

TIER II OPERATING PERMIT

State of Idaho
Department of Environmental Quality

PERMIT NO.: 065-00004

AQCR: 61 **CLASS:** SM

SIC: 3273 **ZONE:** 12

UTM COORDINATE (km): 436.3 , 4853.7

Walters Ready-Mix, Inc.

2. **PROJECT**
Concrete Batch Plant

3. **MAILING ADDRESS** PO Box 390	**CITY** Rexburg	**STATE** Idaho	**ZIP** 83440
4. **FACILITY CONTACT** Jace Mortensen	**TITLE** Safety and Compliance Officer	**TELEPHONE** (208) 356-5491	
5. **RESPONSIBLE OFFICIAL** David Z Walters	**TITLE** President	**TELEPHONE** (208) 356-5491	
6. **EXACT PLANT LOCATION** 342 West 4th North		**COUNTY** Madison	

7. **GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**
Concrete and Aggregate Sales

8. **PERMIT AUTHORITY**

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400, and pertains only to emissions of air contaminants that are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment, which result in any change in the nature or amount of emissions, may be a modification. Modifications are subject to Department review in accordance with Section 58.01.01.200 of the *Rules for the Control of Air Pollution in Idaho*.

ADMINISTRATOR, IDAHO FALLS OFFICE
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: October 17, 2001

DATE EXPIRES: October 17, 2006

1.0 General Source Description

1.1 Process Description

Walters Ready Mix, Inc., is located in Rexburg, Idaho. This Tier II Operating Permit covers the equipment used at their Rexburg facility. The facility consists of two (2) major processes; sand and gravel processing and ready-mix concrete batching.

Emissions from the facility include those associated with crushing and screening rock material; material transport, handling, and storage; the silo filter vent; fuel storage tanks; and fugitive road dust.

The facility was installed on July 1, 1986. Th applicant did not apply for or receive a Permit to Construct prior to construction. The crushing and screening process is subject to federal regulation in accordance with 40 CFR 60, Subpart OOO (Standards for Performance for Nonmetallic Mineral Processing Plants).

2.0 General Operating Requirements

2.1 Facility Operating Schedule

The annual operating schedule for each source addressed in this permit is two thousand and eighty hours per year (2,080 hr/yr), except for fuel storage tanks, concrete batching, and road traffic.

1.0 Source Description

1.1 Process Description

The raw materials excavated from the pond are stored next to the pond. The front-end loaders are used to dump raw materials into trucks for transfer to the raw material storage pile next to the screens/crushers. Raw material is delivered to the screen where the material is wetted with a water spray. The raw material rejected by the screen is delivered to the primary crusher. The primary crusher has a maximum rated input capacity of four hundred tons per hour (400 T/hr). The crushed product of primary crusher is returned through the screening process where part of the product is recycled for secondary crushing. Sand and rocks of different mixed are separated, washed, and conveyed to storage piles.

1.2 Control Description

Emissions from crushers and screens are controlled by the use of water spray during all screening/crushing operations.

2.0 Emission Limits

2.1 Crushing, Screening, and Material Handling Emission Limits

Particulate matter (PM) and PM_{10} (particulate matter with a mean aerodynamic diameter less than or equal to a nominal ten micrometers, as defined in IDAPA 58.01.01.006.71) emissions from crushers, screens, and all material handling operations (material transfer, handling and storage) shall not exceed any corresponding emission rate limit as listed in Appendix A of this permit.

2.2 Opacity Limit

Emissions emanating from any stack, vent, or other functionally equivalent opening shall not exceed twenty percent opacity for a period or periods aggregating more than three minutes in any 60-minute period as required in IDAPA 58.01.01.625 (*Rules for the Control of Air Pollution in Idaho*). Opacity shall be determined using the procedures contained in IDAPA 58.01.01.625.

2.3 Visible Emission Limits at Property Boundary

Fugitive emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Method 22, as described in 40 CFR Part 60, Appendix A, or a Department-approved alternative method.

3.0 Operating Requirements

3.1 Aggregate Throughput

The total aggregate throughput of the crushing facility shall not exceed a maximum of four hundred tons per hour (400 T/hr), two hundred and eight thousand tons per calendar quarter (208,000 T/quarter), or eight hundred and thirty two thousand tons per calendar year (832,000 T/yr).

3.2 Hours of Operation

The hours of operation of the crushing facility shall not exceed two thousand and eighty hours per year (2,080 hr/yr).

3.3 Crushers, Vibrating Screens, Material Transfer Points, Drop Points, Aggregate Stockpiles, and all Sources of Fugitive Emissions

Emissions due to crushing, screening and material transfer shall be reasonably controlled to minimize particulate emissions. Fugitive emissions generated from this facility, including aggregate stockpiles, all haul roads, and any other sources of fugitive emissions shall be reasonably controlled in accordance with IDAPA 58.01.01.650. Some of the reasonable precautions may include, but are not limited to the following:

3.3.1 Use of water or environmentally safe chemicals;

3.3.2 Application of dust suppressants;

3.3.3 Use of control equipment;

3.3.4 Covering of trucks;

3.3.5 Paving; and

3.3.6 Prompt removal of earth or other stored material from streets, where practical.

4.0 Monitoring and Record-keeping Requirements

4.1 Throughput Monitoring

4.1.1 The Permittee shall monitor and record the average hourly throughput to the primary crusher once per day to demonstrate compliance with Section 3.1 of this permit. The throughput shall be recorded as tons per hour (T/hr) and shall be recorded in a log kept at the facility for the most recent two (2) year period. The log shall be available to Department representatives upon request.

4.1.2 The Permittee shall monitor and record on a quarterly and annual basis, the throughput to the primary crusher to demonstrate compliance with Section 3.1 of this permit. The throughput shall be recorded as tons per calendar quarter (T/quarter) and tons per calendar year (T/yr) and shall be recorded in a log kept at the facility for the most recent two (2) year period. The log shall be available to Department representatives upon request.

4.2 Operating Hours

The Permittee shall monitor and record on a quarterly and annual basis, the operating hours for the crushing facility. The operating schedule shall be recorded as hours to demonstrate compliance with Section 3.2 of this permit and shall be recorded in a log kept at the facility for the most recent two (2) year period and shall be made available to Department representatives upon request.

4.3 Fugitive Control Monitoring

The Permittee shall monitor and record in a log, during operation, on a daily basis, the method(s) used to reasonably control emissions from all sources listed in Section 3.3 of this permit. The log shall include the type of control used (e.g., water, chemical dust suppressants, etc.) as well as the circumstances under which no controls are utilized (e.g., wet weather). The most recent two (2) years' compilation of data shall be kept on site and be made available to Department representatives upon request.

1.0 Source Description

1.1 Process Description

Sand and aggregates from storage piles are loaded onto fixed conveyor by front-end loaders and then conveyed to the stack hopper. The materials are transferred to the batch plant bins by conveyor from the three drop points. Bulk admixture is delivered into tanks and then to the batch plant by pressurized hose. Bulk cement and flyash are delivered to silos by pneumatic hose. The proper weight of sand, aggregate, cement, and admixtures, as required, are dropped into a weigh hopper and mixed. The mixture is then dropped into a mixer truck that is positioned on a charging platform. Electricity used in this process is supplied by Idaho Power. A generator is not used in this process.

1.2 Control Description

A silo filter vent (baghouse) controls emissions from the cement and flyash silos.

2.0 Emission Limits

2.1 Silo Filter Vent Emission Limits

Particulate matter (PM) and PM_{10} (particulate matter with a mean aerodynamic diameter less than or equal to a nominal ten micrometers, as defined in IDAPA 58.01.01.006.71) emissions from the silo filter vent shall not exceed any corresponding emission rate limit as listed in Appendix A of this permit.

2.2 Opacity Limit

Emissions emanating from any stack, vent, or other functionally equivalent opening shall not exceed twenty percent opacity for a period or periods aggregating more than three minutes in any 60-minute period as required in IDAPA 58.01.01.625 (*Rules for the Control of Air Pollution in Idaho*). Opacity shall be determined using the procedures contained in IDAPA 58.01.01.625.

2.3 Visible Emission Limits at Property Boundary

Fugitive emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Method 22, as described in 40 CFR Part 60, Appendix A, or a Department-approved alternative method.

3.0 Operating Requirements

3.1 Concrete Throughput

Concrete production shall not exceed two hundred and sixty one tons per hour (261 T/hr), one hundred and ninety five thousand and seven hundred fifty tons per calendar quarter (195,750 T/quarter), or seven hundred and eighty three thousand tons per calendar year (783,000 T/yr).

3.2 Hours of Operation

Concrete production shall not exceed three thousand hours per year (3,000 hr/yr).

3.3 Control of Fugitive Emissions

Emissions resulting from concrete production shall be reasonably controlled to minimize particulate emissions. Fugitive emissions generated from this facility, including aggregate stockpiles, all haul roads, and any other sources of fugitive emissions, shall be reasonably controlled in accordance with IDAPA 58.01.01.650. Some of the reasonable precautions may include, but are not limited to, the following:

3.3.1 Use of water or environmentally safe chemicals;

3.3.2 Application of dust suppressants;

3.3.3 Use of control equipment;

3.3.4 Covering of trucks;

3.3.5 Paving;

3.3.6 Confining aggregate conveying equipment in an enclosed building; and

3.3.7 Prompt removal of earth or other stored material from streets, where practical.

3.4 Silo Filter Vent Operation and Maintenance

The permittee shall develop an operating and maintenance plan for the silo filter vent according to the manufacturer's specifications and recommendations to ensure compliance with Permit Condition 2.2. The filter vent shall have a minimum capture efficiency of 99.6 percent, as stated in the permit application. The plan shall remain on-site and shall be made available to Department representatives upon request.

4.0 Monitoring and Record-keeping Requirements

4.1 Throughput Monitoring

4.1.1 The permittee shall monitor and record the average hourly concrete production to demonstrate compliance with Permit Condition 3.1. The concrete production shall be recorded as T/hr and shall be recorded in a log kept at the facility for the most recent two-year period. The log shall be available to Department representatives upon request.

4.1.2 The permittee shall monitor and record concrete production on a quarterly and annual basis. These amounts shall be recorded as T/quarter and T/yr to demonstrate compliance with Permit Condition 3.1 and shall be recorded in a log kept at the facility for the most recent two-year period. The log shall be available to Department representatives upon request.

4.2 Operating Hours

The permittee shall monitor and record, on a quarterly and annual basis, the operating hours for concrete production. The operating schedule shall be recorded as hours to demonstrate compliance with Permit Condition 3.2 and shall be recorded in a log kept at the facility for the most recent two-year period and shall be made available to Department representatives upon request.

4.3 Fugitive Control Monitoring

The Permittee shall monitor and record in a log, during operation and on a daily basis, the method(s) used to reasonably control emissions from all sources listed in Permit Condition 3.3. The log shall include the type of control used (e.g., water, chemical dust suppressants, etc.) as well as the circumstances under which no controls are utilized (e.g., wet weather). The most recent two-years' compilation of data shall be kept on-site and be made available to Department representatives upon request.

Appendix

Hourly and Annual Emission Limits[a]

Source	PM emissions	
	lb/hr	T/yr[b]
Crushers and Screens	37.7	39.2
Silo Filter Vent	0.065	0.067
Material Handling Points	45.8	47.6
Total	83.565	86.867

a As determined by a pollutant-specific US Environmental Protection Agency reference method, or a Department-approved alternative.

b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.

Notes: PM – Particulate Matter
lb/hr – pounds per hour
T/yr – tons per year

TIER II OPERATING PERMIT GENERAL PROVISIONS

A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit, the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.

B. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.

C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:

1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state-approved or accepted U.S. Environmental Protection Agency procedures when deemed appropriate by the Director.

D. Except for data determined to be confidential under Section 9-342A, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.

E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.

F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to be voided.

H. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.

I. Performance tests (i.e., air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such as annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120 percent of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit unless: (1) a more restrictive operating limit is specified elsewhere in this permit or, (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.